

MOTION CONTROLLED REMOTE CONTROLLER

ABSTRACT

A handheld device includes a display having a viewable surface and operable to generate an image indicating a currently controlled remote device and a gesture database maintaining a plurality of remote command gestures. Each remote command  
5 gesture is defined by a motion of the device with respect to a first position of the handheld device. The device includes a gesture mapping database comprising a mapping of each of the remote command gestures to an associated command for controlling operation of the remote device and a motion detection module operable to detect motion of the handheld device within three dimensions and to identify  
10 components of the motion in relation to the viewable surface. The device includes a control module operable to track movement of the handheld device using the motion detection module, to compare the tracked movement against the remote command gestures to determine a matching gesture, and to identify the one of the commands corresponding to the matching gesture. The device also includes a wireless interface  
15 operable to transmit the identified command to a remote receiver for delivery to the remote device.